

1 This listing of claims will replace all prior versions, and listings, of claims  
2 in the application:

3  
4 **Listing of Claims**

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5 Claim 1 (Currently amended): A computer system capable of accessing and  
6 controlling use of a watermarked software object, the system comprising:  
7 a processor; and  
8 a memory having computer executable instructions stored therein; and  
9 wherein the processor, in response to the stored executable instructions:  
10 reads a specific one of a plurality of identical watermarks embedded in the  
11 software object with different watermark keys so as to yield an actual watermark  
12 value, wherein the specific one watermark is defined by a predefined value of a  
13 watermark key previously provided to and stored within the system; and  
14 sets usage rights applicable to the object in response to the actual watermark  
15 value so as to control further use of the object by the computer system.

16 Claim 2 (Original): The system in claim 1 wherein the object is either a  
17 passive or active object, the passive object comprising content and the active  
18 object comprising executable code.

19  
20 Claim 3 (Original): The system in claim 2 wherein, the processor, in  
21 response to the stored instructions and as part of the usage rights setting operation,  
22 supplies the usage rights to an operating system executing in the computer system  
23 in order to set a protection state applicable to the object.

24 Claim 4 (Original): The system in claim 3 wherein the watermark key  
25 expires after a predefined period of time elapses and the processor, in response to

1 the stored instructions, obtains a new watermark key for subsequent use in lieu of  
2 the expired watermark key, wherein the new watermark key defines a different one  
3 of the plurality of watermarks embedded in the object.

4 Claim 5 (Original): The system in claim 3 wherein the value of the  
5 watermark key defines a pointer to a location in the object at which the specific  
6 one watermark appears.

7  
8 Claim 6 (Original): The system in claim 5 wherein the location is a starting  
9 location.

10  
11 Claim 7 (Original): The system in claim 5 wherein all of the plurality of  
12 said watermarks embedded in the object contain an identical watermark value.

13  
14 Claim 8 (Original): The system in claim 7 wherein the identical watermark  
15 value contains a concatenation of a product identification value associated with the  
16 object and an identification value associated with the object provider.

17  
18 Claim 9 (Original): The system in claim 3 wherein the processor, in  
19 response to the stored instructions:

20 reads a license for the object, the license specifying an expected value of a  
21 first parameter and the usage rights of the object;

22 compares the expected value of the first parameter against an actual value  
23 of the first parameter contained in the specific one watermark;

24 if the actual and expected values for first parameter do not identically match  
25 each other, prevents the object from being used.

Claim 10 (Original): The system in claim 9 wherein the processor, in

response to the stored instructions:

obtains an expected value of a second parameter communicated with the specific one object;

extracts, from the specific one watermark detected in the object, the actual value of the first parameter and an actual value of the second parameter;

compares the expected values of the first and second parameters against the actual values of the first and second parameters, respectively; and

if the actual values of the first and second parameters identically and respectively match the expected values of the first and second parameters, permits the object to be used in accordance with the usage rights specified in the license.

Claim 11 (Original): The system in claim 10 wherein the processor, in response to the stored instructions, verifies that the license is signed by the object provider specified through the actual value of the second parameter found in the specific one watermark.

Claim 12 (Original): The system in claim 10 wherein the first and second parameters comprise a product identification (PID) value and a vendor identification (VID) value, respectively.

Claim 13 (Currently amended): The system in claim 9 wherein the license comprises a decryption key.

Claim 14 (Original): The system in claim 13 wherein the processor, in response to the stored instructions, generates a request for the license, wherein the request specifies the object.

Claim 15 (Original): The system in claim 14 wherein the request for the

1 license further comprises a public key value associated with the computer system;  
2 and the license further comprises the expected value of the first parameter and the  
3 usage rights.

4 Claim 16 (Original): The system in claim 15 wherein the license further  
5 comprises a signature generated through use of a public key associated with a  
6 provider of the object, the signature being a function of the expected value of the  
7 first parameter and the usage rights.

8  
9 Claim 17 (Currently amended): The system in claim 16 wherein the  
10 processor, in response to the stored instructions:

11 performs a license verifying operation by:

12 verifying, using a predefined cryptographic parameter stored in the  
13 computer system, the public key associated with the object provider so as to  
14 define a certified public key of the object provider; and

15 verifying, using the certified public key of the object provider, the  
16 signature in the license as generated by the object provider so as to define a  
17 verified signature; and

18 performs an extraction operation by extracting, from the verified  
19 signature, the expected value of the first parameter, [the]an encryption key  
20 and the usage rights.

21 Claim 18 (Original): The system in claim 17 wherein the value of the  
22 watermark key defines a pointer to a location in the object at which the specific  
23 one watermark appears.

24 Claim 19 (Original): The system in claim 18 wherein the location is a  
25 starting location.

1 Claim 20 (Original): The system in claim 18 wherein all of the plurality of  
2 said watermarks embedded in the object contain an identical watermark value.  
3

4 Claim 21 (Original): The system in claim 20 wherein the identical  
5 watermark value contains a concatenation of a product identification value  
6 associated with the object, as the first parameter, and a vendor identification value  
7 associated with the object provider.  
8

9 Claim 22 (Original): The system in claim 17 wherein the processor, in  
10 response to the stored instructions:

11 decrypts the object, as downloaded by the object provider to the computer  
12 system, using the decryption key specified in the license so as to yield a decrypted  
13 version of the object; and  
14

15 reads the value of the specific one watermark in the decrypted version of  
16 the object.  
17

18 Claim 23 (Original): The system in claim 22 wherein the decryption key is  
19 a symmetric encryption key which has been previously used, by the object  
20 provider, to encrypt the object in order to produce the encrypted version of the  
21 object.  
22

23 Claim 24 (Original): The system in claim 22 wherein the watermark key  
24 expires after a predefined period of time elapses and the processor, in response to  
25 the stored instructions, obtains a new watermark key for subsequent use in lieu of  
the expired watermark key, wherein the new watermark key defines a different one  
of the plurality of watermarks embedded in the object.

1 Claim 25 (Original): The system in claim 22 further comprising an enforcer  
2 having:

3 an encrypted store for storing the encrypted version of the object produced  
4 by the object provider;

5 a decrypter for decrypting, using the decryption key, the encrypted version  
6 of the object stored in the encrypted store so as to yield a decrypted version of the  
7 object;

8 an unencrypted buffer for storing the decrypted object;

9 a watermark detector for detecting the presence of the specific one  
10 watermark embedded in the decrypted version of the object and for obtaining  
11 therefrom the actual value of the first parameter; and

12 a license verifier which:

13 performs the license verifying operation and, once the signature in the  
14 license is verified, the extraction operation so as to yield the decryption key, the  
15 expected value of the first parameter and the usage rights;

16 compares the expected value against the actual value of the first parameter;  
17 and

18 if the actual and expected values for first parameter do not identically match  
19 each other, then sets, in conjunction with the operating system, the protection state  
20 to prevent further use of the decrypted version of the object while the decrypted  
21 version remains in the unencrypted buffer.

22 Claim 26 (Original): The system in claim 25 wherein the processor, in  
23 response to the stored instructions:

24 obtains an expected value of a second parameter communicated with the  
25 specific one object;

extracts, from the specific one watermark detected in the object, the actual  
value of the first parameter and an actual value of the second parameter;

1 compares the expected values of the first and second parameters against the  
2 actual values of the first and second parameters, respectively; and

3 if the actual values of the first and second parameters identically and  
4 respectively match the expected values of the first and second parameter sets, in  
5 conjunction with the operating system and consistent with the usage rights, the  
6 protection state to govern use of the decrypted version of the object while the  
7 decrypted version remains in the unencrypted buffer.

8 Claim 27 (Original): The system in claim 26 wherein the first and second  
9 parameters comprise a product identification (PID) value and a vendor  
10 identification (VID) value, respectively.

11 Claim 28 (Original): The system in claim 25 wherein if the license exists  
12 for the object, the processor, in response to the stored instructions and through the  
13 license verifier, sets the usage rights to appropriate values so as to inhibit further  
14 use of the decrypted object if the watermark detector fails to detect the specific one  
15 watermark in the decrypted version of the object.

16 Claim 29 (Original): The system in claim 28 wherein either all or a portion  
17 of the enforcer is located either in the operating system or in a media card  
18 associated with the computer system.

19  
20 Claim 30 (Original): The system in claim 28 wherein the operating system  
21 comprises a digital rights management system having a license database which  
22 stores the license, and, subsequently, in response to a request issued by the  
23 computer system to access the object, provides the license to the enforcer.

24  
25 Claim 31 (Original): The system in claim 30 wherein the request for the

1 license further comprises an authorization for payment of a predefined fee in  
2 exchange for the license.

3 Claim 32 (Original): The system in claim 28 wherein the value of the  
4 watermark key defines a pointer to a location in the object at which the specific  
5 one watermark appears.

6  
7 Claim 33 (Original): The system in claim 32 wherein the location is a  
8 starting location.

9  
10 Claim 34 (Original): The system in claim 32 wherein all of the plurality of  
11 said watermarks embedded in the object contain an identical watermark value.

12 Claim 35 (Original): The system in claim 34 wherein the identical  
13 watermark value contains a concatenation of a product identification value  
14 associated with the object, as the first parameter, and a vendor identification value  
15 associated with the object provider.

16  
17 Claim 36 (Original): The system in claim 28 wherein the decryption key is  
18 a symmetric encryption key which has been previously used, by the object  
19 provider, to encrypt the object in order to produce the encrypted version of the  
20 object.

21 Claim 37 (Original): The system in claim 28 wherein the watermark key  
22 expires after a predefined period of time elapses and the processor, in response to  
23 the stored instructions, obtains a new watermark key for subsequent use in lieu of  
24 the expired watermark key, wherein the new watermark key defines a different one  
25 of the plurality of watermarks embedded in the object.



1  
2 Claim 38 (Original): The system in claim 3 wherein the processor, in  
3 response to the stored instructions, downloads the object, via a network  
4 connection, from a first server.

5 Claim 39 (Original): The system in claim 38 wherein the watermark key  
6 expires after a predefined period of time elapses and the processor, in response to  
7 the stored instructions, obtains a new watermark key for subsequent use in lieu of  
8 the expired watermark key, wherein the new watermark key defines a different one  
9 of the plurality of watermarks embedded in the object.

10 Claim 40 (Original): The system in claim 38 wherein the value of the  
11 watermark key defines a pointer to a location in the object at which the specific  
12 one watermark appears.

13  
14 Claim 41 (Original): The system in claim 40 wherein the location is a  
15 starting location.

16 Claim 42 (Original): The system in claim 40 wherein all of the plurality of  
17 said watermarks embedded in the object contain an identical watermark value.

18  
19 Claim 43 (Original): The system in claim 42 wherein the identical  
20 watermark value contains a concatenation of a product identification value  
21 associated with the object and a vendor identification value associated with the  
22 object provider.

23  
24 Claim 44 (Original): The system in claim 38 wherein the processor, in  
25 response to the stored instructions:

1 reads a license for the object, the license specifying an expected value of a  
2 first parameter and the usage rights of the object;

3 compares the expected value of the first parameter against an actual value  
4 of the first parameter contained in the specific one watermark;

5 if the actual and expected values for first parameter do not identically match  
6 each other, prevents the object from being used.

7 Claim 45 (Original): The system in claim 44 wherein the processor, in  
8 response to the stored instructions:

9 obtains an expected value of a second parameter communicated with the  
10 specific one object;

11 extracts, from the specific one watermark detected in the object, the actual  
12 value of the first parameter and an actual value of the second parameter;

13 compares the expected values of the first and second parameters against the  
14 actual values of the first and second parameters, respectively; and

15 if the actual values of the first and second parameters identically and  
16 respectively match the expected values of the first and second parameters, permits  
17 the object to be used in accordance with the usage rights specified in the license.

18 Claim 46 (Original): The system in claim 45 wherein the processor, in  
19 response to the stored instructions, verifies that the license is signed by the object  
20 provider specified through the actual value of the second parameter found in the  
21 specific one watermark.

22 Claim 47 (Original): The system in claim 45 wherein the first and second  
23 parameters comprise a product identification (PID) value and a vendor  
24 identification (VID) value, respectively.  
25

1 Claim 48 (Original): The system in claim 44 wherein the license comprises  
2 a decryption key.

3 Claim 49 (Original): The system in claim 40 wherein the processor, in  
4 response to the stored instructions, obtains the license from a second server and via  
5 a network connection existing between the computer system and the second server.  
6

7 Claim 50 (Original): The system in claim 49 wherein the first and second  
8 servers are the same.

9 Claim 51 (Original): The system in claim 49 wherein the request for the  
10 license further comprises a public key value associated with the computer system;  
11 and the license further comprises the expected value of the first parameter and the  
12 usage fights.  
13

14 Claim 52 (Original): The system in claim 51 wherein the processor, in  
15 response to the stored instructions, generates a request, via a network connection,  
16 to the second server for the license, wherein the request specifies the object.

17 Claim 53 (Original): The system in claim 52 wherein the license further  
18 comprises a signature generated through use of a public key associated with a  
19 provider of the object, the signature being a function of the expected value of the  
20 first parameter and the usage rights.  
21

22 Claim 54 (Original): The system in claim 53 wherein the processor, in  
23 response to the stored instructions:

24 performs a license verifying operation by:

25 verifying, using a predefined cryptographic parameter stored in the

1 computer system, the public key associated with the object provider so as to  
2 define a certified public key of the object provider; and

3 verifying, using the certified public key of the object provider, the  
4 signature in the license as generated by the object provider so as to define a  
5 verified signature; and

6 performs an extraction operation by extracting, from the verified signature,  
7 the expected value of the first parameter, the encryption key and the usage rights.

8 Claim 55 (Original): The system in claim 54 wherein the value of the  
9 watermark key defines a pointer to location in the object at which the specific one  
10 watermark appears.

11 Claim 56 (Original): The system in claim 55 wherein the location is a  
12 starting location.

13  
14 Claim 57 (Original): The system in claim 55 wherein all of the plurality of  
15 said watermarks embedded in the object contain an identical watermark value.

16  
17 Claim 58 (Original): The system in claim 57 wherein the identical  
18 watermark value contains a concatenation of a product identification value  
19 associated with the object, as the first parameter, and a vendor identification value  
20 associated with the object provider.

21 Claim 59 (Original): The system in claim 54 wherein the processor, in  
22 response to the stored instructions:

23 decrypts the object, as downloaded by the object provider to the computer  
24 system, using the decryption key specified in the license so as to yield a decrypted  
25 version of the object; and

1 reads the value of the specific one watermark in the decrypted version of  
2 the object.

3 Claim 60 (Original): The system in claim 59 wherein the decryption key is  
4 a symmetric encryption key which has been previously used, by the object  
5 provider, to encrypt the object in order to produce the encrypted version of the  
6 object.

7  
8 Claim 61 (Original): The system in claim 59 wherein the watermark key  
9 expires after a predefined period of time elapses and the processor, in response to  
10 the stored instructions, obtains a new watermark key for subsequent use in lieu of  
11 the expired watermark key, wherein the new watermark key defines a different one  
12 of the plurality of watermarks embedded in the object.

13 Claim 62 (Original): The system in claim 59 further comprising an enforcer  
14 having:

15 an encrypted store for storing the encrypted version of the object produced  
16 by the object provider;

17 a decrypter for decrypting, using the decryption key, the encrypted version  
18 of the object stored in the encrypted store so as to yield a decrypted version of the  
19 object;

20 an unencrypted buffer for storing the decrypted object;

21 a watermark detector for detecting the presence of the specific one  
22 watermark embedded in the decrypted version of the object and for obtaining  
23 therefrom the actual value of the first parameter; and

24 a license verifier which:

25 performs the license verifying operation and, once the signature in  
the license is verified, the extraction operation so as to yield the decryption

key, the expected value of the first parameter and the usage rights;

compares the expected value against the actual value of the first watermark; and

if the actual and expected values for first parameter do not identically match each other, then sets, in conjunction with the operating system, the protection state to prevent further use of the decrypted version of the object while the decrypted version remains in the unencrypted buffer.

Claim 63 (Original): The system in claim 62 wherein the processor, in response to the stored instructions:

obtains an expected value of a second parameter communicated with the specific one object;

extracts, from the specific one watermark detected in the object, the actual value of the first parameter and an actual value of the second parameter;

compares the expected values of the first and second parameters against the actual values of the first and second parameters, respectively; and

if the actual value of the first and second parameters identically and respectively match the expected values of the first and second parameter sets, in conjunction with the operating system and consistent with the usage rights, the protection state to govern use of the decrypted version of the object while the decrypted version remains in the unencrypted buffer.

Claim 64 (Original): The system in claim 63 wherein the first and second parameters comprise a product identification (PID) value and a vendor identification (VID) value, respectively.

Claim 65 (Original): The system in claim 62 wherein if the license exists for the object, the processor, in response to the stored instructions and through the

1 license verifier, sets the usage rights to appropriate values so as to inhibit further  
2 use of the decrypted object if the watermark detector fails to detect the specific one  
3 watermark in the decrypted version of the object.

4 Claim 66 (Original): The system in claim 65 wherein either all or a portion  
5 of the enforcer is located either in the operating system or in a media card  
6 associated with computer system.

7  
8 Claim 67 (Original): The system in claim 65 wherein the operating system  
9 comprises a digital rights management system having a license database which  
10 stores the license, and, subsequently, in response to a request issued by the  
11 computer system to access the object, provides the license to the enforcer.

12  
13 Claim 68 (Original): The system in claim 67 wherein the request for the  
14 license further comprises an authorization for payment of a predefined fee in  
15 exchange for the license.

16  
17 Claim 69 (Original): The system in claim 65 wherein the value of the  
18 watermark key defines a pointer to a location in the object at which the specific  
19 one watermark appears.

20  
21 Claim 70 (Original): The system in claim 69 wherein the location is a  
22 starting location.

23  
24 Claim 71 (Original): The system in claim 69 wherein all of the plurality of  
25 said watermarks embedded in the object contain an identical watermark value.

Claim 72 (Original): The system in claim 71 wherein the identical

1 watermark value contains a concatenation of a product identifier associated with  
2 the object and an identifier associated with the object provider.

3 Claim 73 (Original): The system in claim 62 wherein the first and second  
4 servers are the same.

5  
6 Claim 74 (Original): The system in claim 62 wherein the decryption key is  
7 a symmetric encryption key which has been previously used, by the object  
8 provider, to encrypt the object in order to produce the encrypted version of the  
9 object.

10  
11 Claim 75 (Original): The system in claim 62 wherein the watermark key  
12 expires after a predefined period of time elapses and the processor, in response to  
13 the stored instructions, obtains a new watermark key for subsequent use in lieu of  
14 the expired watermark key, wherein the new watermark key defines a different one  
15 of the plurality of watermarks embedded in the object.

16 Claim 76 (Original): The system in claim 62 wherein the processor, in  
17 response to the stored instructions, obtains the new watermark key, via a network  
18 connection, from a third server.

19 Claim 77 (Original): The system in claim 62 wherein the third server is  
20 either the same as the first or second server, or is associated with a third party  
21 watermarking authority.

22  
23 Claim 78 (Original): The system in claim 77 wherein the first and second  
24 servers are the same.  
25



1 Claim 79 (Currently amended): In a computer system having a processor  
2 and a memory having computer executable instructions stored therein, a method,  
3 implemented through execution of the stored instructions, for accessing and  
controlling use of a watermarked software object comprising the steps of:

4 reading a specific one of a plurality of identical watermarks embedded in  
5 the software object with different watermark keys so as to yield an actual  
6 watermark value, wherein the specific one watermark is defined by a predefined  
7 value of a watermark key previously provided to and stored within the system; and

8 setting usage rights applicable to the object in response to the actual  
9 watermark value so as to control further use of the object by the computer system.

10 Claim 80 (Original): The method in claim 79 wherein the object is either a  
11 passive or active object, the passive object comprising content and the active  
12 object comprising executable code.

13  
14 Claim 81 (Original): The method of claim 80 wherein the usage rights  
15 setting step comprises the step of supplying the usage rights to an operating system  
16 executing in the computer system in order to set a protection state applicable to the  
17 object.

18 Claim 82 (Original): The method in claim 81, wherein the watermark key  
19 expires after a predefined period of time elapses, further comprising the step of  
20 obtaining a new watermark key for subsequent use in lieu of the expired  
21 watermark key, wherein the new watermark key defines a different one of the  
22 plurality of watermarks embedded in the object.

23  
24 Claim 83 (Original): The method in claim 81 wherein the value of the  
25 watermark key defines a pointer to a location in the object at which the specific

one watermark appears.

Claim 84 (Original): The method in claim 83 wherein the location is a starting location.

Claim 85 (Original): The method in claim 83 wherein all of the plurality said watermarks embedded in the object contain an identical watermark value.

Claim 86 (Original): The method in claim 85 wherein the identical watermark value contains a concatenation of a product identification value associated with the object and an identification value associated with the object provider.

Claim 87 (Original): The method in claim 81 comprising the steps of:  
reading a license for the object, the license specifying an expected value of a first parameter and the usage rights of the object:  
comparing the expected value of the first parameter against an actual value of the first parameter contained in the specific one watermark;  
if the actual and expected values for first parameter do not identically match each other, preventing the object from being used.

Claim 88 (Original): The method in claim 87 comprising the steps of:  
obtaining an expected value of a second parameter communicated with the specific one object;  
extracting, from the specific one watermark detected in the object, the actual value of the first parameter and an actual value of the second parameter;  
comparing the expected values of the first and second parameters against the actual values of the first and second parameters, respectively; and

1 if the actual values of the first and second parameters identically and  
2 respectively match the expected values of the first and second parameters,  
3 permitting the object to be used in accordance with the usage rights specified in  
4 the license.

5 Claim 89 (Original): The method in claim 88 comprising the step of  
6 verifying that the license is signed by the object provider specified through the  
7 actual value of the second parameter found in the specific one watermark.

8 Claim 90 (Original): The method in claim 88 wherein the first and second  
9 parameters comprise a product identification (PID) value and a vendor  
10 identification (VID) value, respectively.

11  
12 Claim 91 (Original): The method in claim 87 wherein the license comprises  
13 a decryption key.

14  
15 Claim 92 (Original): The method in claim 91 comprising the step of  
16 generating a request for the license, wherein the request specifies the object.

17 Claim 93 (Original): The method in claim 92 wherein the request for the  
18 license further comprises a public key value associated with the computer system;  
19 and the license further comprises the expected value of the first parameter and the  
20 usage rights.

21  
22 Claim 94 (Original): The method in claim 93 wherein the license further  
23 comprises a signature generated through use of a public key associated with a  
24 provider of the object, the signature being a function of the expected watermark  
25 value, the usage rights.

1 Claim 95 (Original): The method in claim 94 further comprising the steps  
2 of:

3 performing a license verifying operation by:

4 verifying, using a predefined cryptographic parameter stored in the  
5 computer system, the public key associated with the object provider so as to  
6 define a certified public key of the object provider; and

7 verifying, using the certified public key of the object provider, the  
8 signature in the license as generated by the object provider so as to define a  
9 verified signature; and

10 performing an extraction operation by extracting, from the verified  
11 signature, the expected value of the first parameter, the encryption key and the  
12 usage rights.

13 Claim 96 (Original): The method in claim 95 wherein the value of the  
14 watermark key defines a pointer to a location in the object at which the specific  
15 one watermark appears.

16 Claim 97 (Original): The method in claim 96 wherein the location is a  
17 starting location.

18 Claim 98 (Original): The method in claim 96 wherein all of the plurality of  
19 said watermarks embedded in the object contain an identical watermark value.  
20

21 Claim 99 (Original): The method in claim 98 wherein the identical  
22 watermark value contains a concatenation of a product identification value  
23 associated with the object, as the first parameter, and a vendor identification value  
24 associated with the object provider.  
25

1 Claim 100 (Original): The method in claim 95 comprising the steps of:  
2 decrypting the object, as downloaded by the object provider to the computer  
3 system, using the decryption key specified in the license so as to yield a decrypted  
4 version of the object; and  
5 reading the value of the specific one watermark in the decrypted version of  
6 the object.

7  
8 Claim 101 (Original): The method in claim 100 wherein the decryption key  
9 is a symmetric encryption key which has been previously used, by the object  
10 provider, to encrypt the object in order to produce the encrypted version of the  
11 object.

12 Claim 102 (Original): The method in claim 100, wherein the watermark  
13 key expires after a predefined period of time elapses, further comprising the step of  
14 obtaining a new watermark key for subsequent use in lieu of the expired  
15 watermark key, wherein the new watermark key defines a different one of the  
16 plurality of watermarks embedded in the object.

17 Claim 103 (Original): The method in claim 81 further comprising the step  
18 of downloading the object, via a network connection, from a first server.

19  
20 Claim 104 (Original): The method in claim 103, wherein the watermark  
21 key expires after a predefined period of time elapses, further comprising the step of  
22 obtaining a new watermark key for subsequent use in lieu of the expired  
23 watermark key, wherein the new watermark key defines a different one of the  
24 plurality of watermarks embedded in the object.  
25

1 Claim 105 (Original): The method in claim 103 wherein the value of the  
2 watermark key defines a pointer to a location in the object at which the specific  
3 one watermark appears.

4 Claim 106 (Original): The method in claim 105 wherein the location is a  
5 starting location.

6  
7 Claim 107 (Original): The method in claim 105 wherein all of the plurality  
8 of said watermarks embedded in the object contain an identical watermark value.

9  
10 Claim 108 (Original): The method in claim 107 wherein the identical  
11 watermark value contains a concatenation of a product identification value  
12 associated with the object and a vendor identification value associated with the  
13 object provider.

14 Claim 109 (Original): The method in claim 103 comprising the steps of:  
15 reading a license for the object, the license specifying an expected value of  
16 a first parameter and the usage rights of the object:  
17 comparing the expected value of the first parameter against the actual value  
18 of the first parameter contained in the specific one watermark;  
19 if the actual and expected values for first parameter do not identically match  
20 each other, preventing the object from being used.

21 Claim 110 (Original): The method in claim 109 further comprising the  
22 steps of:

23 obtaining an expected value of a second parameter communicated with the  
24 specific one object;

25 extracting, from the specific one watermark detected in the object, the

1 actual value of the first parameter and an actual value of the second parameter;  
2 comparing the expected values of the first and second parameters against  
3 the actual values of the first and second parameters, respectively; and  
4 if the actual values of the first and second parameters identically and  
5 respectively match the expected values of the first and second parameters,  
6 permitting the object to be used in accordance with the usage rights specified in the  
7 license.

8 Claim 111 (Original): The method in claim 110 further comprising the step  
9 of verifying that the license is signed by the object provider specified through the  
10 actual value of the second parameter found in the specific one watermark.

11 Claim 112 (Original): The method in claim 110 wherein the first and  
12 second parameters comprise a product identification (PID) value and a vendor  
13 identification (VID) value, respectively.

14 Claim 113 (Original): The method in claim 109 wherein the license  
15 comprises a decryption key.

16 Claim 114 (Original): The method in claim 105 further comprising the step  
17 of obtaining the license from a second server and via a network connection  
18 existing between the computer system and the second server.

19 Claim 115 (Original): The method in claim 114 wherein the request for the  
20 license further comprises a public key value associated with the computer system;  
21 and the license further comprises the expected value of the first parameter and the  
22 usage rights.  
23  
24  
25

1 Claim 116 (Original): The method in claim 115 further comprising the step  
2 of generating a request, via a network connection, to the second server for the  
3 license, wherein the request specifies the object.

4 Claim 117 (Original): The method in claim 116 wherein the license further  
5 comprises a signature generated through use of a public key associated with a  
6 provider of the object, the signature being a function of the expected watermark  
7 value, the usage rights.

8  
9 Claim 118 (Original): The method in claim 116 further comprising the  
10 steps of:

11 performing a license verifying operation by:

12 verifying, using a predefined cryptographic the public  
13 key associated with the object provider so as to define a certified  
14 public key of the object provider; and

15 verifying, using the certified public key of the object provider,  
16 the signature in the license as generated by the object provider so as  
17 to define a verified signature; and

18 performing an extraction operation by extracting, from the verified  
19 signature, the expected value of the first parameter, the encryption key and  
20 the usage rights.

21 Claim 119 (Original): The method in claim 118 wherein the value of the  
22 watermark key defines a pointer to a location in the object at which the specific  
23 one watermark appears.

24 Claim 120 (Original): The method in claim 119 wherein the location is a  
25 starting location.



1 Claim 121 (Original): The method in claim 119 wherein all of the plurality  
2 of said watermarks embedded in the object contain an identical watermark value.  
3

4 Claim 122 (Original): The method in claim 121 wherein the identical  
5 watermark value contains a concatenation of a product identification value  
6 associated with the object, as the first parameter, and a vendor identification value  
7 associated with the object provider.  
8

9 Claim 123 (Original): The method in claim 118 further comprising the  
10 steps of:

11 decrypting the object, as downloaded by the object provider to the computer  
12 system, using the decryption key is specified in the license so as to yield a  
13 decrypted version of the object; and  
14

15 reading the value of the specific one watermark in the decrypted version of  
16 the object.  
17

18 Claim 124 (Original): The method in claim 59 wherein the decryption key a  
19 symmetric encryption key which has been previously used, by the object provider,  
20 to encrypt the object in order to produce the encrypted version of the object.  
21

22 Claim 125 (Original): The method in claim 59, wherein the watermark key  
23 expires after a predefined period of time elapses, further comprising the step of  
24 obtaining a new watermark key for subsequent use in lieu of the expired  
25 watermark key, wherein the new watermark key defines a different one of the  
plurality of watermarks embedded in the object.

Claim 126 (Original): A computer readable medium having computer

executable instructions stored therein for performing the steps of claim 79.

Claim 127 (Currently amended): Apparatus for a networked client-server environment, for accessing a software object from a first server and using the object so accessed, the apparatus comprising:

a client computer connected to the network, the client computer having:

a processor; and

a memory having computer executable instructions stored therein;

and

wherein the processor, in response to the stored executable instructions:

issues, in response to input information, a download request to the first server to download a file containing a software object;

obtains the file containing a watermarked version of the software object from the first server;

reads a specific one of a plurality of identical watermarks embedded in the software object with different watermark keys downloaded from the first server so as to yield an actual watermark value, wherein the specific one watermark is defined by a predefined value of a watermark key previously provided to and stored within the client computer; and

sets usage rights applicable to the object in response to the actual watermark value so as to control further use of the object by the client computer; and

the first server connected to the network, wherein the server:

in response to the download request, accesses the watermarked version of the software object, wherein a plurality of watermarks have been embedded into the object, and downloading the file containing the

1                   watermarked version of the software object to the client computer.

2                   Claim 128 (Original): The apparatus in claim 127 wherein the software  
3 object is either a passive or active object, the passive object comprising content  
4 and the active object comprising executable code.

5  
6                   Claim 129 (Original): The apparatus in claim 128 wherein, the processor,  
7 in response to the stored instructions and as part of the usage rights setting  
8 operation, supplies the usage rights to an operating system executing in the client  
9 computer in order to set a protection state applicable to the software object.

10                   Claim 130 (Original): The apparatus in claim 129 wherein the value of the  
11 watermark key defines a pointer to a location in the software object at which the  
12 specific one watermark appears.

13  
14                   Claim 131 (Original): The apparatus in claim 130 wherein the location is a  
15 starting location.

16                   Claim 132 (Original): The apparatus in claim 130 wherein all of the  
17 plurality of said watermarks embedded in the software object contain an identical  
18 watermark value.

19  
20                   Claim 133 (Original): The apparatus in claim 130 wherein  
21 the processor:

22                               issues, in response to further input information, a request to a  
23 second server to obtain a license to use the software object, wherein  
24 the request specifies the software object;

25                               compares an expected value of a first parameter contained in

1 the license against an actual value of the first parameter contained in  
2 the specific one watermark;

3 if the actual and expected values for the first parameter do not  
4 identically match each other, prevents the software object from being  
5 used by the client computer; and

6 the first server, in response to the license request:

7 generates a license specifying the expected value of the first  
8 parameter and the usage rights of the software object accorded to the  
9 client computer by the object provider; and

10 transmits the license, via the network, the client computer.

11 Claim 134 (Original): The apparatus in claim 133 wherein the processor,  
12 response to the stored instructions:

13 obtains an expected value of a second parameter communicated with the  
14 specific one object;

15 extracts, from the specific one watermark detected in the object, the actual  
16 value of the first parameter and an actual value of the second parameter;

17 compares the expected values of the first and second parameters against the  
18 actual values of the first and second parameters, respectively; and

19 if the actual values of the first and second parameters identically and  
20 respectively match the expected values of the first and second parameters, permits  
21 the object to be used in accordance with the usage rights specified in the license.

22 Claim 135 (Original): The apparatus in claim 134 wherein the processor in  
23 response to the stored instructions, verifies that the license is signed by the object  
24 provider specified through the actual value of the second parameter found in the  
25 specific one watermark.

1 Claim 136 (Original): The apparatus in claim 134 wherein the first and  
2 second parameters comprise a product identification (PID) value and a vendor  
3 identification (VID) value, respectively.

4 Claim 137 (Original): The apparatus in claim 133 wherein the license  
5 further comprises a decryption key.

6  
7 Claim 138 (Original): The apparatus in claim 137 wherein the request for  
8 the license further comprises a public key value associated with a provider of the  
9 object and a computer identification value both associated with the client  
10 computer.

11 Claim 139 (Original): The apparatus in claim 138 wherein the server, in  
12 response to the license request:

13 accesses the watermarked object specified in the request;  
14 encrypts the watermarked object using a predefined encryption key; and  
15 generates a cryptographic signature using a public key associated with the  
16 provider of the object, wherein the signature is a function of the expected value of  
17 the first parameter and the usage rights.

18 Claim 140 (Original): The apparatus in claim 139 wherein the license  
19 request further comprises a computer identification number associated with the  
20 client computer, and the file downloaded to the client computer further comprises  
21 the public key of the server.

22  
23 Claim 141 (Original): The apparatus in claim 140 wherein the server:  
24 establishes, in response to the request, an entry in a database associating the  
25 particular copy of the software object with the encryption key; and

1 subsequently, in conjunction with issuing the license and in response to the  
2 computer identification value of the client computer, updates the entry to associate  
3 the particular copy of the software object with client computer.

4 Claim 142 (Original): The apparatus in claim 141 wherein the server, prior  
5 to encrypting the object, provides a fingerprint value with the object, the  
6 fingerprint uniquely identifying a particular copy of the object to be downloaded to  
7 the client computer, so as to define a fingerprinted watermarked object which, in  
8 turn, is downloaded to the client computer as the watermarked version of the  
9 software object.

10 Claim 143 (Original): The apparatus in claim 140 wherein the processor, in  
11 response to the stored instructions:

12 performs a license verifying operation by:

13 verifying, using a predefined cryptographic parameter stored in the  
14 client computer, the public key associated with the object provider so as to  
15 define a certified public key of the object provider; and

16 verifying, using the certified public key of the object provider, the  
17 signature in the license as generated by the object provider so as to define a  
18 verified signature; and

19 performs an extraction operation by extracting, from the verified signature,  
20 the expected value of the first parameter, the encryption key and the usage rights.

21 Claim 144 (Original): The apparatus in claim 143 wherein the value of the  
22 watermark key defines a pointer to a location in the watermarked object at which  
23 the specific one watermark appears.

24 Claim 145 (Original): The apparatus in claim 144 wherein the location is  
25

starting location.

Claim 146 (Original): The apparatus in claim 143 wherein all of the plurality of said watermarks embedded in the object contain an identical watermark value.

Claim 147 (Original): The apparatus in claim 146 wherein the identical watermark value contains a concatenation of a product identification value associated with the object, as the first parameter, and a vendor identification value associated with the object provider.

Claim 148 (Original): The apparatus in claim 146 wherein the processor, in response to the stored instructions:

decrypts the object, as downloaded by the object provider to the client computer, using the decryption key specified in the license so as to yield a decrypted version of the object; and

reads the value of the specific one watermark in the decrypted version of the object.

Claim 149 (Original): The apparatus in claim 148 wherein the decryption key is a symmetric encryption key which has been previously used, by the object provider, to encrypt the object in order to produce the encrypted version of the object.

Claim 150 (Original): The apparatus in claim 143 wherein the computer identification value is a processor serial number.

Claim 151 (Original): The apparatus in claim 143 wherein the first and

second servers are the same.

Claim 152 (Original): The apparatus in claim 143 wherein the watermark values contains a concatenation of a product identification value associated with the software object, as the first parameter, and a vendor identification value associated with the object provider.

Claim 153 (Currently amended): In a networked client-server environment, a method for accessing a software object from a first server and using the object so accessed, the method comprising the steps of:

in a client computer connected to the network, the client computer having a processor, and a memory having computer executable instructions stored therein, the steps, performed in response to the executable instructions, of and

issuing, in response to input information, a download request to the first server to download a file containing a software object;

obtaining the file containing a watermarked version of the software object from the first server;

reading a specific one of a plurality of identical watermarks embedded in the software object with different watermark keys downloaded from the first server so as to yield an actual watermark value, wherein the specific one watermark is defined by a predefined value of a watermark key previously provided to and stored within the client computer; and

setting usage rights applicable to the object in response to the actual watermark value so as to control further use of the object by the client computer; and

in the first server connected to the network, the steps, in response to the download request of:

accessing the watermarked version of the software object, wherein a



1 plurality of watermarks have been embedded into the object; and

2 downloading the file containing the watermarked version of the  
3 software object to the client computer.

4 Claim 154 (Original): The method in claim 153 wherein the software  
5 object is either a passive or active object, the passive object comprising content  
6 and the active object comprising executable code.

7  
8 Claim 155 (Original): The method in claim 154 wherein the usage rights  
9 setting step comprises the step of supplying the usage rights to an operating system  
10 executing in the client computer in order to set a protection state applicable the  
11 software object.

12 Claim 156 (Original): The method in claim 155 wherein the value of the  
13 watermark key defines a pointer to a location in the software object at which the  
14 specific one watermark appears.

15  
16 Claim 157 (Original): The method in claim 156 wherein the location is a  
17 starting location.

18 Claim 158 (Original): The method in claim 156 wherein all of the plurality  
19 of said watermarks embedded in the software object contain an identical  
20 watermark value.

21  
22 Claim 159 (Original): The method in claim 156 further comprising the  
23 steps of:

24 in the client computer:

25 issuing, in response to further input information, a request to a

1 second server to obtain a license to use the software object, wherein the  
2 request specifies the software object;

3 comparing an expected value of a first parameter contained in the  
4 license against an actual value of the first parameter contained in the  
5 specific one watermark; and

6 if the actual and expected values for first parameter do not  
7 identically match each other, preventing the software object from being  
8 used by the client computer; and

9 in the first server, in response to the license request:

10 generating a license specifying the expected value of the first  
11 parameter and the usage rights of the software object accorded to the client  
12 computer by the object provider; and

13 transmitting the license, via the network, to the client computer.

14 Claim 160 (Original): The method in claim 159 further comprising the  
15 steps, in the client computer, of:

16 obtaining an expected value of a second parameter communicated with the  
17 specific one object;

18 extracting, from the specific one watermark detected in the object, the  
19 actual value of the first parameter and an actual value of the second parameter;

20 comparing the expected values of the first and second parameters against  
21 the actual values of the first and second parameters, respectively; and

22 if the actual values of the first and second parameters identically and  
23 respectively match the expected values of the first and second parameters,  
24 permitting the object to be used in accordance with the usage rights specified in the  
25 license.

Claim 161 (Original): The method in claim 160 further comprising the step,

1 in the client computer, of verifying that the license is signed by the object provider  
2 specified through the actual value of the second parameter found the specific one  
3 watermark.

4 Claim 162 (Original): The method in claim 160 wherein the first and  
5 second parameters comprise a product identification (PID) value and a vendor  
6 identification (VID) value, respectively.

7  
8 Claim 163 (Original): The method in claim 159 wherein the license further  
9 comprises a decryption key.

10  
11 Claim 164 (Original): The method in claim 163 wherein the request for the  
12 license further comprises a public key value associated with a provider of the  
13 object and a computer identification value both associated with the client  
14 computer.

15 Claim 165 (Original): The method in claim 164 further comprising the  
16 steps, in the server and in response to the license request, of:  
17 accessing the watermarked object specified in the request;  
18 encrypting the watermarked object using a predefined encryption key; and  
19 generating a cryptographic signature using a public key associated with the  
20 provider of the object, wherein the signature is a function of the expected value of  
21 the first parameter and the usage rights.

22 Claim 166 (Original): The method in claim 165 wherein the license request  
23 further comprises a computer identification number associated with the client  
24 computer, and the file downloaded to the client computer further comprises the  
25 public key of the server.

1 Claim 167 (Original): The method in claim 166 further comprising the  
2 steps, in the server, of:

3 establishing, in response to the request, an entry in a database associating  
4 the particular copy of the software object with the encryption key; and

5 subsequently, in conjunction with issuing the license and in response to the  
6 computer identification value of the client computer, updating the entry to  
7 associate the particular copy of the software object with client computer.

8  
9 Claim 168 (Original): The method in claim 167 further comprising the  
10 steps, in the server and, prior to encrypting the object, of providing a fingerprint  
11 value with the object, the fingerprint uniquely identifying a particular copy of the  
12 object to be downloaded to the client computer, so as to define a fingerprinted  
13 watermarked object which, in turn, is downloaded to the client computer as the  
14 watermarked version of the software object.

15 Claim 169 (Original): The method in claim 166 further comprising the  
16 steps, in the client computer, of:

17 verifying, using a predefined cryptographic parameter stored in the client  
18 computer, the public key associated with the object provider so as to define a  
19 certified public key of the object provider; and

20 verifying, using the certified public key of the object provider, the signature  
21 in the license as generated by the object provider so as to define a verified  
22 signature; and

23 extracting, from the verified signature, the expected value of the first  
24 parameter, the encryption key and the usage rights.

25 Claim 170 (Original): The method in claim 169 wherein the value of the

1 watermark key defines a pointer to a location in the watermarked object at which  
2 the specific one watermark appears.

3 Claim 171 (Original): The method in claim 170 wherein the location is a  
4 starting location.

5  
6 Claim 172 (Original): The method in claim 169 wherein all of the plurality  
7 of said watermarks embedded in the object contain an identical watermark value.

8  
9 Claim 173 (Original): The method in claim 172 wherein the identical  
10 watermark value contains a concatenation of a product identification value  
11 associated with the object, as the first parameter, and a vendor identification value  
12 associated with the object provider.

13 Claim 174 (Original): The method in claim 172 further comprising the  
14 steps, in the client computer, of:

15 decrypting the object, as downloaded by the object provider to the client  
16 computer, using the decryption key specified in the license so as to yield a  
17 decrypted version of the object; and

18 reading the value of the specific one watermark in the decrypted version of  
19 the object.

20 Claim 175 (Original): The method in claim 174 wherein the decryption key  
21 is a symmetric encryption key which has been previously used, by the object  
22 provider, to encrypt the object in order to produce the encrypted version of the  
23 object.

24 Claim 176 (Currently amended): In a networked client-server environment,  
25

1 apparatus for use in conjunction with a digital rights management system, the  
2 apparatus comprising:

3 a client computer connected to the network, the client computer having:

4 a processor;

5 a memory having computer executable instructions stored therein;

6 and

7 an enforcer, contained within the digital rights management system,  
8 for controlling use of watermarked software objects, wherein the enforcer  
9 stores a predefined watermark key which defines a specific one of a  
10 plurality of identical watermarks embedded in the watermarked software  
11 object with different watermark keys to be used by the enforcer in  
12 subsequently controlling use of each one of said watermarked software  
13 objects, and wherein the predefined watermark key expires after a  
14 predefined period of time elapses since said predefined watermark key was  
15 initially stored in the enforcer;

16 wherein the processor, in response to the stored executable  
17 instructions:

18 establishes a network connection to a watermark key;

19 issues a request to the server for a new watermark key; and

20 utilizes either the predefined watermark key or the new  
21 watermark key, as received from the server, for the predefined  
22 watermark key for subsequent use in controlling access to the  
23 watermarked software objects until such time as the predefined key  
24 has expired after which the new watermark key is used instead; and  
25 the server, connected to the network, which, in response to the  
request:

selects, if the predefined watermark key has not been revoked  
for the client computer, another one of predefined plurality of

1 predetermined watermark keys for use in controlling access to the  
2 software watermarks objects as the new watermark key;  
3 sends the new watermark key to the client computer; and  
4 if the predefined watermark key has been revoked, does not  
5 supply the new watermark key to the client computer.

6 Claim 177 (Original): The apparatus in claim 176 wherein the network  
7 connection comprises a secure connection.

8  
9 Claim 178 (Original): The apparatus in claim 177 wherein the server is  
10 associated with a publisher of any one of the watermarked software objects or a  
11 vendor of said one object, or a watermarking authority.

12 Claim 179 (Original): The apparatus in claim 178 wherein:  
13 the client computer, in response to the stored instructions and in conjunction  
14 with the request, also supplies the server with an existing certificate for predefined  
15 public key associated with the client computer; and  
16 the server, if the existing certificate for the public key has not been revoked  
17 by the server, provides the client computer with the new watermark key.

18  
19 Claim 180 (Original): In a networked client-server environment, a method  
20 for use in conjunction with a digital rights management system,  
21 in a client computer connected to a network, the client computer having: a  
22 processor; a memory having computer executable instructions stored therein; and  
23 an enforcer, contained within the digital rights management system, for controlling  
24 use of watermarked software objects, wherein the enforcer stores a predefined  
25 watermark key which defines a specific one of a plurality of identical watermarks  
embedded in the watermarked software object with different watermark keys to be

1 used by the enforcer in subsequently controlling use of each one of said  
2 watermarked software objects, and wherein the watermark key expires after a  
3 predefined period of time elapses since said key was initially stored in the  
4 enforcer; wherein the method comprises the steps, upon expiration of the  
5 watermark key, performed by the processor, in response to the stored executable  
instructions, of:

6 establishing a network connection to a server;

7 issuing a request to the server for a new watermark key; and

8 utilizes either the predefined watermark key or the new watermark  
9 key, as received from the server, for the predefined watermark key for  
10 subsequent use in controlling access to the watermarked software objects  
11 until such time as the predefined watermark key has expired after which the  
new watermark key is used instead; and

12 in the server, connected to the network and, in response to the request, the  
13 steps of:

14 selecting, only if the predefined watermark key has not been revoked  
15 for the client computer, another one of a predefined plurality of  
16 predetermined watermark keys for use in controlling access to the software  
watermarks objects as the new watermark key;

17 sending the new watermark key to the client computer; and

18 if the predefined watermark key has been revoked, not sending the  
19 new watermark key to the client computer.

20  
21 Claim 181 (Original): The method in claim 180 wherein the network  
22 connection comprises a secure connection.

23  
24 Claim 182 (Original): The method in claim 181 wherein the server is  
25 associated with a publisher of any one of the watermarked software objects or a



1 vendor of said one object, or a watermarking authority.

2 Claim 183 (Original): The method in claim 182 further comprising the  
3 steps of:

4 in the client computer and in response to the stored instructions and in  
5 conjunction with the request:

6 supplying the server with an existing certificate for a predefined  
7 public the client computer; and  
8 in the server, if the existing key associated with certificate for the public  
9 key has not been revoked by the server, providing the client computer with a new  
10 certificate, for the new watermark key.

11 Claim 184 (Currently amended): In a networked client-server environment,  
12 apparatus for obtaining a watermark key for use in a digital rights management  
13 system, the apparatus comprising:

14 a client computer connected to the network, the client computer having:

15 a processor;

16 a memory having computer executable instructions stored therein;

17 and

18 an enforcer, contained within the digital rights management system,  
19 for controlling use of watermarked software objects, wherein the enforcer is  
20 capable of storing a predefined watermark key which defines a specific one  
21 of a plurality of identical watermarks embedded in the watermarked  
22 software object with different watermark keys to be used by the enforcer in  
23 subsequently controlling use of each one of said watermarked software  
24 objects;

25 wherein, if the enforcer does not then possess the watermark key, the  
processor, in response to the stored executable instructions:

1 establishes a network connection to a server;  
2 issues a request to the server for a watermark key; and  
3 stores the watermark key, received from the server, within the  
4 enforcer for subsequent use in controlling access to watermarked software  
5 objects; and  
6 the server, connected to the network, which, in response to the request:  
7 selects, one of the a predefined plurality of predetermined watermark  
8 keys for use in controlling access to the software watermarked objects as  
9 the watermark key;  
10 downloads the watermark key to the client computer.

11 Claim 185 (Original): The apparatus in claim 184 wherein the request  
12 contains a public key associated with the client computer and

13 the server, in response to the request:

14 encrypts the watermark key using the public key of the client  
15 computer so as to yield the encrypted key; and

16 downloads the encrypted key to the client computer as the watermark  
17 key; and

18 the client computer:

19 upon receipt of the watermark key, decrypts the encrypted key using  
20 a private key associated with the client computer so as to yield a decrypted  
21 key;

22 and stores the decrypted key as the watermark key.

23 Claim 186 (Original): The apparatus in claim 185 wherein the network  
24 connection comprises a secure connection.

25 Claim 187 (Original): The apparatus in claim 186 wherein the server is

1 associated with a publisher of any one of the watermarked software objects or a  
2 vendor of said one object, or a watermarking authority.

3 Claim 188 (Currently amended): In a networked client-server environment,  
4 a method for obtaining a watermark key for use in a digital rights management  
5 system,

6 in a client computer connected to a network, the client computer having: a  
7 processor; a memory having computer executable instructions stored therein; and  
8 an enforcer, contained within the digital rights management system, for controlling  
9 use of watermarked software objects, wherein the enforcer is capable of storing a  
10 predefined watermark key which defines a specific one of a plurality of identical  
11 watermarks embedded in the watermarked software object with different  
12 watermark keys to be used by the enforcer in subsequently controlling use of each  
13 one of said watermarked software objects; wherein the method comprises the  
14 steps, performed by the processor if the enforcer does not then possess the  
a watermark key and in response to the stored executable instructions, of:

15 establishing a network connection to a server;

16 issuing a request to the server for a watermark key; and

17 storing the watermark key, received from the server, within the  
18 enforcer for subsequent use in controlling access to watermarked software  
19 objects; and in the server, connected to the network and in response to the  
20 request:

21 selecting, one of a predefined plurality of predetermined watermark  
22 keys for use in controlling access to the software watermarked objects as  
the watermark key;

23 downloading the watermark key to the client computer.

24 Claim 189 (Original): The method in claim 188, wherein the request  
25

contains a public key associated with the client computer, comprising the steps of:

in the server, in response to the request:

encrypting the watermark key using the public key of the client computer so as to yield the encrypted key; and

downloading the encrypted key to the client computer as the watermark key; and

in the processor, in response to the stored instructions:

upon receipt of the watermark key, decrypting the encrypted key using a private key associated with the client computer so as to yield a decrypted key; and

storing the decrypted key as the watermark key.

Claim 190 (Original): The method in claim 189 wherein the network connection comprises a secure connection.

Claim 191 (Original): The method in claim 190 wherein the server is associated with a publisher of any one of the watermarked or a software objects or a vendor of said one object, watermarking authority.